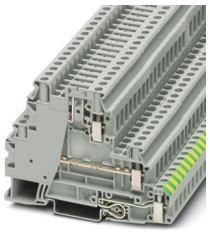
UT 4-PE/L/TG - Ground terminal

3214365

https://www.phoenixcontact.com/de/produkte/3214365

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Ground terminal, Current and voltage are determined by the plug used., nom. voltage: 500 V, nominal current: 28 A, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.14 mm^2 - 6 mm^2, connection method: Screw connection, Rated cross section: 2.5 mm^2, cross section: 0.14 mm^2 - 6 mm^2, mounting: NS 35/7,5, NS 35/15, color: gray

Technical data

Notes

General	Current and voltage are determined by the plug used.

Product properties

Product type	Ground terminal block
Number of connections	5
Number of rows	3
Potentials	3

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	4 mm²

Level 1 above 1 below 1

Screw thread	M3
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Conductor cross section rigid	0.14 mm² ... 6 mm²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² ... 6 mm²
Conductor cross section, flexible [AWG]	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 4 mm²
Nominal current	28 A
Maximum load current	36 A (with 6 mm² conductor cross section)
Nominal voltage	500 V
Nominal cross section	4 mm²

Level 2

Screw thread	M3
Connection in acc. with standard	IEC 60947-7-1

Conductor cross section rigid	0.14 mm² ... 6 mm²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² ... 6 mm²
Conductor cross section, flexible [AWG]	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 4 mm²
Nominal current	20 A (with 4 mm² conductor cross section)
Maximum load current	20 A (with 6 mm² conductor connection)
Nominal voltage	500 V
Nominal cross section	2.5 mm²

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔx II 3 G Ex ec IIC Gc
Operating temperature range	-60 °C ... 130 °C
Ex-certified accessories	3047183 ATP-UT-TWIN
	1205053 SZS 0,6X3,5
	3036783 P-DI
	3036807 P-FU 5X20-EX
	3036836 P-FU 5X20 LA 250-EX
	3036823 P-FU 5X20 LED 60-EX
	3036821 P-FU 5X20 LED 24-EX
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
Rated voltage	550 V
Rated insulation voltage	500 V
output	(Permanent)

Ex connection data General

Torque range	0.6 Nm ... 0.8 Nm
Nominal cross section	4 mm²
Rated cross section AWG	12
Connection capacity rigid	0.14 mm² ... 6 mm²
Connection capacity AWG	26 ... 10
Connection capacity flexible	0.14 mm² ... 6 mm²
Connection capacity AWG	26 ... 10
2 conductors with same cross section, solid	0.14 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG rigid	26 ... 16
2 conductors with same cross section, stranded	0.14 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG flexible	26 ... 16
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²

Single conductor/terminal point, flexible, with ferrule, without plastic sleeve, AWG	26 ... 12
output	(Permanent)

Ex level Level 2

Rated current	20 A (4 mm²)
Maximum load current	20 A (6 mm²)
Contact resistance	0.6 mΩ
Temperature increase	40 K (20 A/4 mm²)
output	(Permanent)

Ex level Level 3

Rated current	16 A (4 mm²)
Maximum load current	16 A (6 mm²)
Contact resistance	1.9 mΩ
Temperature increase	40 K (16 A / 4 mm²)

Dimensions

Width	6.2 mm
Height	92.7 mm
Depth	60.1 mm
Depth on NS 35/7,5	61.7 mm
Depth on NS 35/15	69.2 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C

Mechanical properties

Mechanical data

Open side panel	No

Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 1, class B, body mounted
Frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	0.964 (m/s²)²/Hz
Acceleration	0.58g

Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
	IEC 60947-7-1

Mounting

Mounting type	NS 35/7,5
	NS 35/15

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